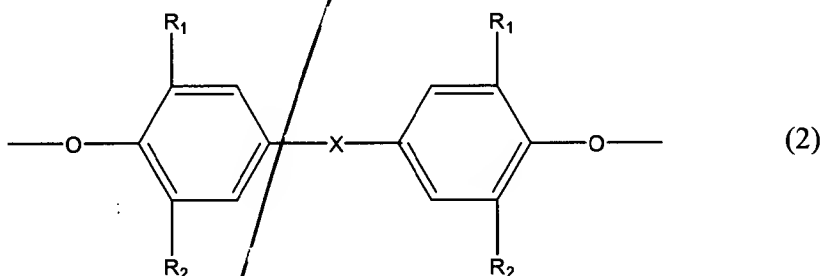
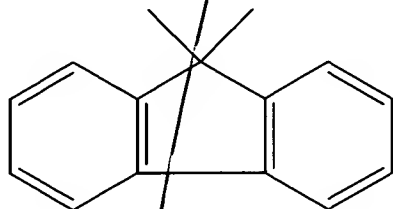


$$\begin{array}{c} \text{H}_2\text{C}=\text{C}-\overset{\text{R}}{\underset{|}{\text{O}}} - \text{O}-\overset{\text{H}_2}{\underset{|}{\text{C}}}-\text{HC}-\text{H}_2\text{C}-\text{A}-\text{CH}_2-\text{CH}-\overset{\text{H}_2}{\underset{|}{\text{C}}}-\overset{\text{O}}{\underset{|}{\text{C}}}-\text{O}-\overset{\text{R}}{\underset{|}{\text{C}}}=\text{CH}_2 \\ | \qquad \qquad \qquad | \qquad \qquad \qquad | \qquad \qquad \qquad | \\ \text{---}\text{O} \qquad \qquad \qquad \text{OOC}-\text{Y}-\text{CO}- \\ | \\ n(\text{HOOC}) \end{array} \quad (1)$$

(wherein R is hydrogen or methyl group, A is a group represented by the formula (2), Y is the residue of a polycarboxylic acid or its acid anhydride, and n is integer of 0-3)



(wherein R_1 and R_2 are hydrogen, an alkyl group with 1-5 carbon atoms, or a halogen and X is $-\text{CO}-$, $-\text{SO}_2-$, $-\text{C}(\text{CF}_3)_2-$, $-\text{Si}(\text{CH}_3)_2-$, $-\text{CH}_2-$, $-\text{C}(\text{CH}_3)_2-$, $-\text{O}-$, $-\text{S}-$, group represented by the formula (3) or single bond),



b) 10-100 parts by weight of (B) ~~alkylene oxide-modified product~~
of ~~which is~~ at least one acrylate selected from (meth)acrylates
or oligomers thereof, ~~wherein said at least one acrylate is~~
~~modified with ethylene oxide or propylene oxide, and wherein said~~
~~at least one acrylate is selected from the group consisting of:~~

~~hydroxyethyl (meth)acrylate, hydroxypropyl (meth)acrylate,~~
~~2-hydroxyethylhexyl (meth)acrylate, polyethylene glycol~~
~~mono(meth)acrylate, polypropylene glycol mono(meth)acrylate,~~
~~butanediol mono(meth)acrylate, chlorohydroxypropyl~~
~~(meth)acrylate, allyl (meth)acrylate, butoxyethyl~~
~~(meth)acrylate, triethylene glycol butyl ether~~
~~(meth)acrylate, t-butylaminoethyl (meth)acrylate,~~
~~caprolactone (meth)acrylate, butyl (meth)acrylate, hexyl~~
~~(meth)acrylate, cyanoethyl (meth)acrylate,~~
~~dimethylaminoethyl (meth)acrylate, diethylamino~~
~~(meth)acrylate, ethoxyethyl (meth)acrylate, ethylhexyl~~
~~(meth)acrylate, isodecyl (meth)acrylate, isooctyl~~
~~(meth)acrylate, lauryl (meth)acrylate, octyl (meth)acrylate,~~
~~stearyl (meth)acrylate, succinic acid (meth)acrylate,~~
~~methacryloyloxypropyl-trimethoxysilane, methoxyethyl~~
~~(meth)acrylate, cyclodecatrienyl (meth)acrylate, glycerol~~
~~(meth)acrylate, glycidyl (meth)acrylate, isocyanatoethyl~~
~~(meth)acrylate, heptadecafluorooctyl (meth)acrylate,~~
~~octafluoropentyl (meth)acrylate, tetrafluoropropyl~~
~~(meth)acrylate, trifluoroethyl (meth)acrylate, dibromopropyl~~

A8
B1

(meth)acrylate, cyclohexyl (meth)acrylate, dicyclopentanyl
(meth)acrylate, dicyclopentenyl (meth)acrylate, isobornyl
(meth)acrylate, tetrahydrofurfuryl (meth)acrylate,
morpholino (meth)acrylate, phenoxyethyl (meth)acrylate,
phenoxyhydroxypropyl (meth)acrylate, polypropylene glycol
nonylphenyl ether (meth)acrylate, phenyl (meth)acrylate,
phthalic acid (meth)acrylate, benzyl (meth)acrylate,
phenoxyated phosphoric acid (meth)acrylate, phosphoric acid
(meth)acrylate, butoxyated phosphoric acid (meth)acrylate,
octoxyated phosphoric acid (meth)acrylate, sodium sulfonate
(meth)acrylate, ethylene glycol di(meth)acrylate, diethylene
glycol di(meth)acrylate, hexanediol di(meth)acrylate,
di(meth)acrylates of long-chain aliphatic diols, neopentyl
glycol di(meth)acrylate, hydroxypivalic acid neopentyl
glycol di(meth)acrylate, stearic acid-modified
pentaerythritol di(meth)acrylate, propylene glycol
di(meth)acrylate, glycerol di(meth)acrylate, triethylene
glycol di(meth)acrylate, tetraethylene glycol
di(meth)acrylate, triethylene glycol divinyl ether,
tetramethylene glycol di(meth)acrylate, butylene glycol
di(meth)acrylate, dicyclopentanyl di(meth)acrylate,
polyethylene glycol di(meth)acrylate, polypropylene glycol
di(meth)acrylate, triglycerol di(meth)acrylate, neopentyl
glycol-modified trimethylolpropane di(meth)acrylate,
allylated cyclohexyl di(meth)acrylate, methoxylated

A⁸
B¹

cyclohexyl di(meth)acrylate, acrylic group-substituted
isocyanurate, bis(acryloyloxyneopentyl) adipate, bisphenol A
di(meth)acrylate, tetrabromobisphenol A di(meth)acrylate,
bisphenol S di(meth)acrylate, butanediol di(meth)acrylate,
phthalic acid di(meth)acrylate, phosphoric acid
di(meth)acrylate, zinc di(meth)acrylate, trimethylolpropane
tri(meth)acrylate, trimethylolethane tri(meth)acrylate,
glycerol tri(meth)acrylate, pentaerythritol
tri(meth)acrylate, alkyl-modified dipentaerythritol
tri(meth)acrylate, phosphoric acid tri(meth)acrylate,
tris((meth)acryloyloxyethyl) isocyanurate, pentaerythritol
tetra(meth)acrylate, dipentaerythritol tetra(meth)acrylate,
ditrimethylol-propane tetraacrylate, alkyl-modified
dipentaerythritol tetra(meth)acrylate, dipentaerythritol
penta(meth)acrylate, dipentaerythritol hexa(meth)acrylate,
alkyl-modified dipentaerythritol penta(meth)acrylate,
urethane tri(meth)acrylate, ester tri(meth)acrylate,
urethane hexa(meth)acrylate, and ester hexa(meth)acrylate;

c) 0-50 parts by weight of (C) compound containing epoxy group
and

d) 0-10 parts by weight of (D) photopolymerization initiator or
sensitizer.

2. (original) A photo- or heat-curable resin composition as
described in claim 1 wherein at least a part of the unsaturated

compound (A) is an unsaturated compound having the fluorene skeleton represented by the formula (3) in its structural unit.

3. (original) A photo- or heat-curable resin composition as described in claim 1 wherein at least one kind of other unsaturated compound (E) selected from other monomers and oligomers is incorporated at a rate of 100 parts or less per 100 parts by weight of the component A in addition to the components A, B, C and D.

4. (withdrawn) A printed wiring board wherein a resin insulation layer is formed by the cured product of a photo- or heat-curable resin composition as described in claim 1.

5. (withdrawn) A cured resin formed by curing a photo- or heat-curable resin composition as described in claim 1.

6. (new) A photo- or heat-curable resin composition as described in claim 1, wherein the at least one acrylate is selected from the group consisting of trimethylolpropane tri(meth)acrylate, trimethylolethane tri(meth)acrylate, glycerol tri(meth)acrylate, and pentaerythritol tri(meth)acrylate or oligomers thereof.
